LETTERS

EDITORIAL
East Is East and West Is West.

ARTICLES
Three-Dimensional Methods in Seismic Exploration: R. Graebner, C. Wason, H. Meinardus
Organic Farming in the Corn Belt: W. Lockeretz, G. Shearer, D. H. Kohl
Rural Africa: Modernization, Equity, and Long-Term Development: U. Lele

NEWS AND COMMENT
Weinberger Promises Leaner, Meaner DOD
Former Carolina Governor to Head DOE
Beryllium Report Disputed by Listed Author
FAA Is Cool to Cabin Safety Improvements
Briefing: Fredrickson Asked to Be a Holdover Again at NIH; Senate Westerners Stake a Claim; White House Science Still in Transition; Brown Departs Research Subcommittee
Medical Journal Draws Lancet on Rival

AAAS NEWS
1980 AAAS Awards Presented in Toronto; Washington Meeting in 1982; Pacific Division Announces Meeting; Energy Seminars in 1981; OOS Completes Inventory of Programs for Women; Global Seminar Held in New Delhi: D. Weiner; 50-Year Members Acknowledged; AAAS and ISETAP

BOARD OF DIRECTORS
FREDERICK MOSTELLER
Retiring President, Chairman

D: ALLAN BROMLEY
President

E. MARGARET BURIDGE
President-elect

ELDICE E. CLARK
Edward E. David, Jr.

M. Gonzalez
DAVID A. HAMBURG

HAIRMAN AND SECRETARIES OF AAAS SECTIONS

MATHEMATICS (A)
Ralph P. Boas

PHYSICS (B)
Maurice Goldhaber

CHEMISTRY (C)
Robert W. Parry

ASTRONOMY (D)
Owen Gingerich

Ronald Graham

Robert M. Sinclair

William L. Jolly

Donald G. Wentzel

ROBERT MILLER

SOCIAL, ECONOMIC, AND POLITICAL SCIENCES (K)
James G. March

HISTORY AND PHILOSOPHY OF SCIENCE (L)
Harry Woolf

GEORGE W. Trissel

GILIAN LIND

DIANA L. Hall

MADELINE M. Henderson

EDUCATION (Q)
Ann C. Howe

DENTISTRY (R)
Maynard K. Hine

PHARMACEUTICAL SCIENCES (B)
Anthony P. Simonelli

George W. Trissel

ROGER G. Olstad

Robert A. Wiley

NANCIE L. GONZALEZ

D. Weina

50-Year Members Acknowledged; AAAS and ISETAP

DIVISIONS

ALASKA DIVISION
John Bigh President

PACIFIC DIVISION
T. Neil Davis Executive Secretary

SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION
Beatrice M. Sweeney President

Alan E. Levent Executive Director

Sam Shushan Executive Officer

M. Michelle Balcomb Executive Officer

SCIENCE is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Second-class postage (publication No. 404460) paid at Washington, D.C., and at an additional entry. Now combined with The Scientific Monthly. Copyright © 1987 by the American Association for the Advancement of Science. Domestic individual membership and subscription (51 issues) $38. Domestic institutional subscription (51 issues) $76. Foreign postage extra: Canada $41, other (surface mail) $7, air (express mail) $145. First class, airmail, school-year, and student rates on request. Single copies $2 ($2.50 by mail); back issues $3 ($3.50 by mail); classroom rates on request. Change of address: allow 6 weeks, giving old and new addresses and seven-digit account number. Postmaster: Send Form 3579 to Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.
BOOK REVIEWS
Cretaceous/Tertiary Boundary Events, reviewed by T. J. M. Schopf; The Puuc, M. D. Coe; Baboon Mothers and Infants, R. W. Wrangham; Membrane Transport in Erythrocytes, D. Levitt; Senescence in Plants, H. Kende.

REPORTS
Crystal and Molecular Structure of a Pentagonal Dodecahedrane: L. A. Paquette et al.


Submillimeter Heterodyne Detection of Interstellar Carbon Monoxide at 434 Micrometers: H. R. Fetterman et al.


Type III Hyperlipoproteinemia: Defective Metabolism of an Abnormal Apolipoprotein E: R. E. Gregg et al.


Two Classes of Single-Stranded Regions in DNA from Sea Urchin Embryos: M. S. Wortman and R. F. Baker.


2,4,5-Trichlorophenoxyacetic Acid Causes Behavioral Effects in Chickens at Environmentally Relevant Doses: C. A. Sanderson and L. J. Rogers.


Oxidation of Elemental Selenium to Selenite by Bacillus megaterium: S. U. Sarathchandra and J. H. Watkinson.

Effects of Vasopressin on Human Memory Functions: H. Weingartner et al.

Metkephamid, a Systemically Active Analog of Methionine Enkephalin with Potent Opioid δ-Receptor Activity: R. C. A. Frederickson et al.

Endogenous Late Positive Component of the Evoked Potential in Cats Corresponding to P300 in Humans: M. B. Wilder, G. R. Farley, A. Starr.

Lunar Phasing of the Thyroxine Surge Preparatory to Seaward Migration of Salmonid Fish: E. G. Grau et al.

COVER
Three-dimensional view of 1,16-di-methyl-1,2,3,4,5-penta-1,6-dodecahedrane as determined by x-ray analysis. See page 575. [Bob Hummel, Biomedical Communications, Ohio State University, Columbus]